



## DUST SUPPRESSANT FLUID DSF 65

### Introduction

Petro-Canada Dust Suppressant Fluid DSF 65 is a safe, virtually non-toxic fluid designed to reduce the generation of airborne particulate matter on roads, fields, vehicles and industrial applications. Odourless and colourless, Dust Suppressant Fluid DSF 65 is virtually non-toxic to humans, animals, aquatic life and plants. Dust Suppressant Fluid DSF 65 is especially recommended for use in environmentally sensitive areas where water and soil contamination is to be avoided.

Petro-Canada Dust Suppressant Fluid DSF 65 is a highly iso-paraffinic fluid free of any potential toxins such as polynuclear aromatics and consequently does not pose a concern with contaminants leaching into the environment.

### Features and Benefits

- **Excellent surface wetting, spreading and penetration**
  - Easy application
  - Excellent coverage at low treat rates
  - Outstanding particle agglomeration
  - Effective dust control
- **Water resistant, low volatility formulation**
  - Long lasting dust control
- **Virtually non-toxic, odourless and colourless**
  - Readily biodegradable
  - Suitable for environmentally sensitive areas\*
  - Benign to plants and animals
  - Improved working conditions, and worker health and safety
  - Not WHMIS or OHSA controlled

\* Ensure that your local environmental regulations support the use of virgin oils prior to application

### Applications

Petro-Canada Dust Suppressant Fluid DSF 65 is useful for dust control or in any application requiring the reduction of airborne particulate matter, such as:

- Gravel or dirt roads
- Logging roads
- Riding arenas where the soil/bedding does not use paper shavings or other cellulose derivatives
- Fair grounds, in the absence of cellulose-based bedding
- Cement trucks
- Fertilizer dust suppression
- Mining dust suppression
- Pipeline construction
- Coal trains

Application rates will vary with actual circumstances, including but not limited to weight and/or frequency of traffic, thickness of dust-causing layer, climate, rainfall and geological considerations such as porosity of soil. Due to its low pour point, DSF 65 can prove especially useful in wintertime.

Typical application rates range from 0.5 to 2 litres/m<sup>2</sup>.

#### What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



## Typical Performance Data

PROPERTY	TEST METHOD	DUST SUPPRESSANT FLUID DSF 65
Appearance	Visual	Clear and Colourless
Density @ 15°C, kg/L	ASTM D4052	0.83
Kinematic Viscosity, cSt @ 40°C	ASTM D445	9.5
cSt @ 100°C		2.6
Flash Point, °C	ASTM D92	188
Pour Point, °C	ASTM D5950	-39
Aniline Point, °C	ASTM D611	103
Saturates Content, %	HRMS	> 99
Polynuclear Aromatics, ppm	GCMS, EPA method	<10ppm
Sulphur content, ppm	ASTM D5453	< 1
Toxicity Test Results		
Static Sheen	E.P.A Protocol	Pass
Biodegradability, %	OECD 301B @ 28 days	>60 (Readily Biodegradable)
Rainbow Trout, ppm	LC <sub>50</sub> , 96 hour	> 500,000
Microtox <sup>1</sup>	EPS 1/RM/24	Pass
Earthworm survival test	14 Day Test	Pass

The values quoted above are typical of normal production. They do not constitute a specification.

<sup>1</sup> Microtox is a registered trademark of Microbics Corp.

## Health and Safety

Petro-Canada Dust Suppressant Fluid DSF 65 has no adverse affect on health provided it is used as directed. To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.

## TechData Info Lines

If you would like to know more about Petro-Canada Dust Suppressant Fluid DSF 65, or any other product in our complete line of quality lubricants, please contact us at:

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**Mississauga, Ontario**  
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